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NOTICE OF ALLOWANCE AND FEE(S) DUE

210

7590

05/28/2008

MERCK AND CO., INC P O BOX 2000 RAHWAY, NJ 07065-0907 EXAMINER

TUCKER, ZACHARY C

ART UNIT

PAPER NUMBER

1624 DATE MAILED: 05/28/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/559.855	12/07/2005	Paul J. Coleman	21358P	1554

TITLE OF INVENTION: MITOTIC KINESIN INHIBITORS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/28/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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MERCK AND POBOX 2000 RAHWAY, NJ 0		/2008		Cert	tificate	of Mailing or Transi	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
			_				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	3	ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/559,855 FITLE OF INVENTION	12/07/2005 : MITOTIC KINESIN II	NHIBITORS	Paul J. Coleman			21358P	1554
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	08/28/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS]			
TUCKER, Z	ACHARY C	1624	514-375000				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME ADDRESSED NOTE: Unl	ess an assignee is ident n in 37 CFR 3.11. Comp	"Indication form ted. Use of a Customer A TO BE PRINTED ON ified below, no assignee	(1) the names of up to or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or tye data will appear on the DT a substitute for filing an (B) RESIDENCE: (CIT	le firm (having as a agent) and the name orneys or agents. If it printed. Type) patent. If an assigned assignment.	memb es of up no nam	er a 2ee is 3eentified below, the do	ocument has been filed for
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a. Applicant claims	tus (from status indicated s SMALL ENTITY statu d Publication Fee (if requ	uired) will not be accepte	b. Applicant is no lo				FR 1.27(g)(2). e assignee or other party in
interest as shown by the r	records of the United Sta	tes Patent and Trademar	k Office.				
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MERCK AND CO., INC P O BOX 2000 RAHWAY, NJ 07065-0907			TUCKER, ZACHARY C			
			ART UNIT	PAPER NUMBER		
			1624			
			DATE MAILED: 05/28/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 323 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 323 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/559,855	COLEMAN ET AL.
Notice of Allowability	Examiner	Art Unit
	Zachary C. Tucker	1624
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the coordinate (OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	correspondence address eplication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>23 April 2008</u> .		
2. The allowed claim(s) is/are <u>1-7</u> .		
3.	been received. been received in Application No cuments have been received in this of this communication to file a reply lENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declarate to be submitted. on's Patent Drawing Review (PTO) s Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL is sit of BIOLOGICAL MATERIAL	national stage application from the complying with the requirements 2'S AMENDMENT or NOTICE OF ation is deficient. -948) attached Office action of the back) of (d). must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☐ Examiner's Amend 8. ☑ Examiner's Statement 9. ☐ Other	(PTO-413), tte

Response to Amendment

In reply to the amendment from applicants' (hreinafter, "present amendment"),filed 23 April 2008, which is in reply to the Office action mailed 12 February 2008 (hereinafter "previous Office action"), The amendments to claims 1, 2, 4, and 9 have been entered. Claims 8-10, 21-22 and 32 and 33 have been cancelled, aslo as requested.

Requirement for Restriction ~and~ Election of Species

A reply to the Election of Species Requirement, my made by the examiner to which applicants' replied with election the invention of Group I, claims 1-8 in part, drawn to 2,7a-dihydro–1*H*-pyrrolo[1,2-c[1,3-oxazol-3-ones, without traverse.

In addition to that reply applicants indicated elected of a single disclose specie of Group I, 1-9. applicants' indicated that compound I-9, found on page 77,

A search was conducted bearing in mind applicants' species of the invention, and eventually was broadened to include all of the full scop of elected Group I claims.

Therefore,. 8-10, 21, 22, 2, 32 and 33 are hereby rejoinded now with claims from Group I. The Requirement for Restriction bewteen Group I and V claims is hereby WITHDRAWN.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

In the previous Office action claims 8-10, 21, 22, 32, and 33 were rejected un 35

U.S.C. 112, first pararagraph, for lack of enblement.

Cancelation of all the claims rejected under this ground renders the issue moot.

Allowable Subject Matter

Claims 1-7 are allowed. The closest prior art with respect to mitotic kinesin inhibitors having structural similarity superficial to the one according to the allowed claims comes from:

A .K. Chakraborti et al, *Journal of Bioorganic & Medicincal Chemistry, vol.* 11, page 3989-3996 (1 September 2004, Tabl 1 shows the structures of several COC-2 inihibitor compounds investigated by the term. Compound #33 on page 19992 bears a ressmplance to compounds according to the allowed claims, but extra nitrogen atom, oxygen atom an carbonyl group is permitted not to be present in the heterocyclic portion of the central bi-cyclic ring core. A. Chakraborti et al was cited by applicants in one the Information dislosure statement filed by applicant on 3 December 2007.

All previously stated rejections and objections of the instant claims have been overcome by the present amendment.

Conclusion

All Post-Allowance Correspondence concerning this application must be mailed to:
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 P.O. Box 1450
 Alexandria, VA 22313-1450

Or you can fax them to the Office of Patent Publications at 703-872-9306, in order to expedite the handling of such correspondence as amendments under 37 CFR 1.312; information disclosure statements, and formal drawings. Sending Post-Allowance papers to Technology Center 1600 will only cause delays in matching papers with the case.

For information concerning status of correspondence sent after receipt of the Notice of Allowance, please contact the Correspondence Branch at (703) 305-8027. The Notice of Allowance also has an insert containing contact information on other items, including Issue Fees, receipt of formal drawings and the status of the application.

Art Unit: 1624

Primary Examiner
Art Unit 1624